



OMB No. 2010-0032  
Expiration Date 01/31/2010

## 2006 Performance Track Annual Performance Report

# Covanta Hempstead Company A020052

Year 2 Annual Performance Report  
Member Since 2002 (2nd Member Term)

**SECTION A: GENERAL FACILITY INFORMATION**

## A.1 Name of your facility:

Covanta Hempstead Company

## A.2 Name of your parent company:

Covanta Energy Corporation

## A.3 Facility contact person for the Performance Track program:

Name: Mr. Scott Wheeler  
Title: Environmental Engineer  
Phone: (516) 683-5438  
Fax: (516) 683-1413  
Email: [swheeler@covantaenergy.com](mailto:swheeler@covantaenergy.com)

## A.4 Facility location:

Street Address: 600 Merchants Concourse  
Address Cont:  
City: Westbury  
State: NY  
Zip Code: 11590

## Mailing address (if different from above):

Mailing Address:  
Address Cont:  
City:  
State:  
Zip Code:

If your facility has multiple street addresses,  
please list any other addresses for its sites or buildings.

## A.5 Facility's website address (if any):

<http://www.covantaholding.com>

A.6 Number of employees (full-time equivalents) who currently work in the facility:

50-99

A.7 North American Industrial Classification System (NAICS) Code(s) that is(are) used to classify business at the facility:

562213 221119

A.8 In your application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any (additional) changes to your facility's list of products and/or activities?

No

If yes, please list them here:

A.9 Have the environmental requirements applicable to your facility changed during this reporting period?

No

If yes, please describe these changes here:

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## Section B: ENVIRONMENTAL MANAGEMENT SYSTEM

B.1.a When was an EMS assessment last conducted by an independent party at your facility?

2005

B.1.b When was an internal EMS assessment last conducted at your facility?

2006

If an assessment was conducted during 2006, please provide the scope and month(s) of each assessment.

Scope	Dates
An environmental meeting is held approximately every quarter with corporate environmental personnel, including the VP of Environmental Quality Management (when available) and the Regional Environmental Manager, the Regional VP of Operations, and plant management to discuss all on-going	September 2006

environmental issues - both compliance related and those associated with the EMS and/or best management practices. Minutes of the meeting are recorded and distributed, and action items are tracked to completion. The date provided is for the last of these meetings in 2006.

B.1.c When was an internal or corporate compliance audit last conducted at your facility?

2006

If an audit was conducted during 2006, please provide the scope and the month(s) of each audit, and indicate who conducted the audit(s) (e.g., facility staff, corporate groups, third party). (Don't include audits, inspections, or site visits by regulatory or external organizations).

Scope	Dates	Who conducted the audit
An internal compliance audit is conducted every 6 months and the results are incorporated into the performance bonus paid to all employees at the Facility. The Facility is inspected for items such as housekeeping, chemical storage, control of fugitive emissions, regulatory reporting and proper waste management.	April 2006	The Regional Environmental Manager responsible for the six facilities in Covanta's Metro NY/NJ Region.
An internal compliance audit is conducted every 6 months and the results are incorporated into the performance bonus paid to all employees at the Facility. The Facility is inspected for items such as housekeeping, chemical storage, control of fugitive emissions, regulatory reporting and proper waste management.	November 2006	The Regional Environmental Manager responsible for the six facilities in Covanta's Metro NY/NJ Region.
A general facility inspection is completed each year by an individual licensed to practice engineering in the State of New York. The purpose of the inspection is to verify compliance with all applicable regulations and to evaluate the operating condition of the Facility equipment. The results of the inspection are documented in a summary report and submitted to the NYS Department of Environmental Conservation.	December 2006	The Regional Environmental Manager responsible for the six facilities in Covanta's Metro NY/NJ Region.
In addition to the above, the plant Environmental Engineer completes regular inspections of the Facility to ensure on-going compliance with all applicable requirements. Findings are documented and discussed with plant management, and any issues are addressed.	December 2006	The Facility Environmental Engineer.

B.1.d (Optional) If you would like to describe any other audits or inspections that were conducted at your facility, please do so here.

An on-site Environmental Monitor from the NYS Department of Environmental Conservation is assigned to the Facility and conducts compliance inspections an average of two to three times per week. He focuses on solid waste management and air quality regulations and reports his findings to the Facility after each inspection. In addition, the Environmental Monitor completes a more thorough inspection of the air quality requirements, including a review of records, each quarter.

Briefly summarize corrective actions taken and other improvements made as a result of your

B.1.e EMS assessments and compliance audits.

The following actions were taken as a result of internal compliance audits: our CEMS excursion avoidance procedures were reviewed, updated and communicated to the operators; the baghouse conveyor maintenance procedures were modified to help prevent fugitive emissions; and the boiler start-up procedure was modified to reduce the potential for elevated SO<sub>2</sub> emissions.

B.1.f Has your facility corrected all instances of potential non-compliance and EMS non-conformance identified during your audits and other assessments?

No

If no, please explain your plans to correct these instances.

An indirect requirement of our EMS is for all operators to have a completed Job Training Instruction (JTI) prior to assuming a watch station alone. Due to manpower needs, two individuals were promoted prior to receiving all required signatures. This issue will be resolved during the second quarter of 2007.

B.1.g When was the last Senior Management review of your EMS completed?

March 07

Who was the senior manager present at the review?

Name: Mr. Kenneth Armellino, P.E.

Title: Regional Environmental Manager

B.2.a ISO 14001 Certification. Is your facility currently certified to ISO 14001?

No

B.2.b Is your facility a Responsible Care-certified facility?

No

B.3 Environmental Aspects Identification. When did your facility last conduct a systematic identification and/or review of your environmental aspects?

March 07

## SECTION C: ENVIRONMENTAL PERFORMANCE RESULTS

### C.1 COMMITMENT 1

**Covanta Hempstead Company's first commitment is to reduce the facility's transportation energy use, specifically diesel fuel.**

C.1.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.

The fuel catalyst devices that were purchased in 2005 were installed in our two 980 payloaders in July 2006 and in our mobile street sweeper in September 2006. We saw an immediate improvement in fuel efficiency and despite only five months of run time with the units installed, were able to achieve our commitment to reduce diesel fuel usage.

Activities Conducted During 2005: In May 2005, we purchased three fuel catalyst devices that will be installed on our heavy equipment (two payloaders and a mobile sweeper) and we are currently working with the supplier to schedule a date for installation. We also gathered additional baseline data in terms of gallons per hour that the equipment is used. One delay that we encountered was the replacement of our mobile sweeper. Since we did not want to install the fuel catalyst on the old sweeper, only to have to remove it, we waited for the delivery of the new sweeper, which occurred in late 2005.

C.1.b Please report your facility's actual performance.

Performance Data						
Flexible Form Needed?		No				
	Baseline	Year 1	Year 2	Year 3	Perform.	
Calendar Year	2004	2005	2006	2007	Goal	Units
Exclude	No	No	No	No	No	
Reason for Exclusion						
Actual Quantity (per year)	44,421	45,160	38,603		n/a	gallons

C.1.c Normalized progress toward goal.

Normalized Total	Baseline	Year 1	Year 2	Year 3	Perform. Goal	Units

Normalizing Factor	1.0	0.996	0.992			
Normalized Quantity	44,421	45,341.37	38,914.31		42,871	gallons
Basis for your Normalizing Factor:	The normalizing factor for this Commitment is the number of kilopounds of steam generated in the facility's boilers, which is directly related to the number of tons of solid waste processed. Tons processed determines the number of hours the front-end loaders are used, and in turn, the amount of fuel consumed.					

C.1.e Please list any other EPA voluntary programs to which you are reporting these data.

None

## C.2 COMMITMENT 2

**Covanta Hempstead Company's second commitment is to reduce the facility's production of noise.**

C.2.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.

The equipment required to achieve this commitment was purchased and received in December 2006. It is scheduled to be installed during the second quarter of 2007, in conjunction with another large capital project. Since the benefits will be immediate, we will have no problem achieving this commitment in 2007.

Activities Conducted During 2005: No progress has been made toward this commitment because it requires a capital project that had to be budgeted for 2006. The project, which includes installation of a new air compressor, is currently scheduled for late summer, 2006.

C.2.b Please report your facility's actual performance.

Performance Data						
Flexible Form Needed?		No				
Calendar Year	Baseline	Year 1	Year 2	Year 3	Perform.	
	2004	2005	2006	2007	Goal	Units
Exclude	No	No	No	No	No	
Reason for Exclusion						
Actual Quantity (per year)	100	100	100		80	dBA



C.2.c Normalized progress toward goal.

Normalization is not applicable for this commitment

C.2.e Please list any other EPA voluntary programs to which you are reporting these data.

None

### C.3 COMMITMENT 3

**Covanta Hempstead Company's third commitment is to increase the facility's land and habitat conservation.**

C.3.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.

The equipment purchased by the Center for Science Teaching and Learning, using funds donated by Covanta Hempstead, was installed at the entrance to the creek that feeds the Preserve's waterway in late Summer 2006. The resulting control of litter and silt will help to preserve 10 acres of natural habitat. This commitment has been achieved.

The monetary donation to achieve this commitment was made to the Center for Science Teaching and Learning, located at the Tanglewood Preserve in Rockville Center, NY in December 2005. The funds will be used to purchase a litter control device and a silt fence that will be installed at the entrance to the creek that feeds the Preserve's stream and pond system to preserve this habitat for native species. The litter control device is scheduled to be installed in early Summer 2006.

C.3.b Please report your facility's actual performance.

Performance Data						
Flexible Form Needed?		No				
	Baseline	Year 1	Year 2	Year 3	Perform.	
Calendar Year	2004	2005	2006	2007	Goal	Units
Exclude	No	No	No	No	No	
Reason for Exclusion						
Actual Quantity (per year)	0	0	10		10	acres

C.3.c Normalized progress toward goal.



Normalization is not applicable for this commitment

C.3.e Please list any other EPA voluntary programs to which you are reporting these data.

None

## C.4 COMMITMENT 4

**Covanta Hempstead Company's fourth commitment is to reduce the facility's NOx emissions.**

C.4.a Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.

Similar to 2005, additional chemical reagent (urea) was injected into the Facility's three furnaces to control NOx emissions below our permitted limit. This commitment was achieved in 2005 and maintained at a similar level in 2006.

Activities Conducted During 2005: This commitment was met in 2005 by injecting additional chemical reagent (urea) into the Facility's three furnaces, above and beyond the quantity required to achieve compliance with our NOx emission limit.

C.4.b Please report your facility's actual performance.

Performance Data						
Flexible Form Needed?		No				
	Baseline	Year 1	Year 2	Year 3	Perform.	
Calendar Year	2004	2005	2006	2007	Goal	Units
Exclude	Yes	Yes	Yes	Yes	Yes	
Reason for Exclusion		Excluded per susan's comment in review form - NOx level only reflects compliance.				
		Excluded per susan's comment in review form - NOx level only reflects compliance.				
Actual Quantity (per year)	1,698	1,323.5	1,307.5		n/a	Tons

C.4.c Normalized progress toward goal.

Normalized Total	Baseline	Year 1	Year 2	Year 3	Perform. Goal	Units
Normalizing Factor	1.0	0.996	.992			

Normalized Quantity	1,698	1,328.82	1,318.04		1,442	Tons
Basis for your Normalizing Factor:	The normalizing factor for this Commitment is the number of kilopounds of steam generated in the facility's boilers, which is directly related to facility availability and therefore, potential mass emissions of NOx.					

C.4.e Please list any other EPA voluntary programs to which you are reporting these data.

None

#### Progress Towards Other Significant Aspects of your EMS

In the table below, please provide a narrative summary of progress made toward EMS objectives and targets other than those reported as Environmental Performance Commitments. You may limit the summary to environmental aspects that are significant and towards which progress has been made during the reporting year.

Do you have additional environmental aspects to report? Yes

Environmental Aspect	Progress Made This Year (e.g., quantitative or qualitative improvements, activities conducted)
Solid Waste Management	As a large waste-to-energy facility, we maintain an inventory of 5,000 to 20,000 tons of municipal solid waste on site, depending on the time of year. One of our continuing objectives is to maintain this inventory in such a way as to allow regular pit rotations. Similar to 2005, all rotations were completed as scheduled in 2006.

Attachments (if applicable) :

## SECTION D: PUBLIC OUTREACH AND PERFORMANCE REPORTING

D.1 Please briefly describe the activities that your facility conducted during the year to interact with the community on environmental issues and to report publicly on environmental performance.

1. The Facility Manager and Environmental Engineer meet with the local Solid Waste Advisory Committee (SWAC) approximately every 6 weeks to discuss environmental and operational issues at the Facility and to answer any questions from the group. There were 9 meetings in 2006 and the December meeting was held at the Facility.
2. The Facility held its 16th annual recycling poster contest in 2006, which attracted 770 entries

from 32 elementary schools. Prizes were awarded to the top three posters in each age group and an awards ceremony was held for all winners.

3. The Facility hosted a total of 68 tours for 1333 visitors in 2006. Of these, 22 tours (299 students) were for science courses such as Biology and Environmental Science taught at local colleges. The lab book for the Biology 101 course taught at the local community college includes a section on Covanta Energy and each class takes a plant tour.

4. On June 10, 2006, we hosted an Open House that attracted about 150 interested residents. Facility tours were conducted and informational handouts were available.

D.2 Please indicate which of the following methods your facility plans to use to make its Performance Track Annual Performance Report available to the public. Please check all that apply.

Open House, Meetings, Community Advisory Panel

Attachments (if applicable):

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## **SECTION E: SELF-CERTIFICATION OF CONTINUED PROGRAM PARTICIPATION FOR ANNUAL PERFORMANCE REPORT**

The U.S. Environmental Protection Agency is not yet in a position to accept electronic signatures and therefore requests a faxed, signed copy of the Section E page. Please complete Section E online, then print Section E using the link on the Overview page. Section E should be signed by the senior manager of your facility and faxed it to the Performance Track Information Center at (617) 354-0463.

On behalf of Covanta Hempstead Company, I certify that:

- I have read and agree to the terms and conditions as specified in the National Environmental Performance Track Program Guide. This facility, to the best of my knowledge, continues to meet all program criteria;
- I have personally examined and am familiar with the information contained in this Annual Performance Report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS criteria, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be

maintained for the duration of the facility's participation in the program;

- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements; and the facility has corrected all identified instances of potential or actual noncompliance; and
- Based on the foregoing compliance assessments and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environment Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision. I am the senior manager with responsibility for the facility and am fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is part of the National Environmental Performance Track program.

Signature/Date:

Name: Mr. Kenneth Straitz

Title: Facility Manager

Phone Number: 516-683-5444

E-Mail Address: kstraitz@covantaenergy.com

Facility Name: Covanta Hempstead Company

Facility Street Address: 600 Merchants Concourse  
Westbury, NY 11590

Mailing Address:

Performance Track ID#: A020052